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TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371

| CONCERNIT | NG A SUBMISSION | 14/538565 | | | | | | |
|---|---|------------------------------|--|---|--|--|--|--|
| PCT/IB2003/0 | 05649 E | INTERNATIONAL December 13 | | PRIORITE DATE CLAIMED — December 11, 2002 | | | | |
| TITLE OF INVENTION X-Ray Source for Generating Monochromatic X-Rays | | | | | | | | |
| APPLICANT(S) FOR DO/EO/US Geoffrey Harding | | | | | | | | |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: | | | | | | | | |
| 1. This is a FIR | This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. | | | | | | | |
| This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. | | | | | | | | |
| | This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. | | | | | | | |
| 4. The US has | The US has been elected (Article 31). | | | | | | | |
| 5. A copy of t | A copy of the International Application as filed (35 U.S.C. 371(c)(2)) | | | | | | | |
| a. <mark>✓</mark> is | a. ✓ is attached hereto (required only if not communicated by the International Bureau). | | | | | | | |
| b. 🔼 h | b. has been communicated by the International Bureau. | | | | | | | |
| c. 🔲 is | c. is not required, as the application was filed in the United States Receiving Office (RO/US). | | | | | | | |
| 6. An English | An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). | | | | | | | |
| a. 🔲 i | a. is attached hereto. | | | | | | | |
| b. 🔲 t | b. has been previously submitted under 35 U.S.C. 154(d)(4). | | | | | | | |
| 7. Amendmer | nts to the claims of the Internat | ional Application ur | nder PCT Article 19 (3 | 35 U.S.C. 371(c)(3)) | | | | |
| а. 🗀 | a. are attached hereto (required only if not communicated by the International Bureau). | | | | | | | |
| b. 🔲 | b. have been communicated by the International Bureau. | | | | | | | |
| с. 🗆 | c. have not been made; however, the time limit for making such amendments has NOT expired. | | | | | | | |
| d. 🔽 | d. An have not been made and will not be made. | | | | | | | |
| 8. An English | An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). | | | | | | | |
| 9. 🔽 An oath or | An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). | | | | | | | |
| | An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). | | | | | | | |
| Items 11 to 20 below concern document(s) or information included: | | | | | | | | |
| 11. An Informa | An Information Disclosure Statement under 37 CFR 1.97 and 1.98. | | | | | | | |
| 12. An assignr | An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. | | | | | | | |
| 13. A prelimina | ary amendment. | CERTII | FICATE OF EXPRESS MAIL | ING | | | | |
| 14. An Applica | ation Data Sheet under 37 CFR | | s Mail No. ED 338328641 U Deposit June 10, 2005 | JS . | | | | |
| 15. A substitut | e specification. | Mail" se | ervice under 37 C.F.R. 1.10 | ee is being deposited with the United States Postal Service "Express on the date indicated above and is addressed to the Commissioner for | | | | |
| 16. A power of | f attorney and/or change of add | | s, P.O. Box 1450, Alexandria A. Heim | a Hum | | | | |
| 17. A compute | A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. | | | | | | | |
| 18. A second of | A second copy of the published International Application under 35 U.S.C. 154(d)(4). | | | | | | | |
| 19. A second of | A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). | | | | | | | |
| 20. Other items | Other items or information: | | | | | | | |

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT,

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CONTACTOR ALTO-12 AND THEAT OF STORY Approved for use through 3/31/2007. OMB 0651-0021 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. APPLICATION 50 27 CFR 1.5) INTERNATIONAL APPLICATION NO. ATTORNEY'S DOCKET NUMBER PCT/IB2003/005649 PHNL031185US The following fees have been submitted CALCULATIONS PTO USE ONLY 21. Basic national fee \$300 300.00 Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of 200.00 PCT Article 33(1)-(4) All other situations \$200 Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority International Search Report prepared and provided to the Office \$400 400.00 All other situations TOTAL OF 21, 22 and 23 = 900.00 Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. **Total Sheets** RATE Extra Sheets Number of each additional 50 or fraction thereof (round up to a whole number) \$ -100 =/50 =x \$250 Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest \$ claimed priority date (37 CFR 1,492(h)). **CLAIMS NUMBER FILED** NUMBER EXTRA RATE \$ Total claims \$ 18 - 20 = \$ 50 Independent claims \$200 x MULTIPLE DEPENDENT CLAIM(S) (if applicable) \$360 \$ TOTAL OF ABOVE CALCULATIONS = \$ 900.00 Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½. 900.00 Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest \$ claimed priority date (37 CFR 1.492(i)). **TOTAL NATIONAL FEE =** \$ 900.00 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied \$ 40.00 by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property TOTAL FEES ENCLOSED = 940.00 Amount to be \$ refunded: Amount to be \$ charged: to cover the above fees is enclosed. A check in the amount of \$ Please charge my Deposit Account No. 14-1270 in the amount of \$ 940.00 to cover the above fees. ь. **Ш** A duplicate copy of this sheet is enclosed. c. 🔽 The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-1270 . A duplicate copy of this sheet is enclosed. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. SEND ALL CORRESPONDENCE TO: Douglas B. McKnight Philips Intellectual Property & Standards Douglas B. McKnight NAME 595 Miner Road 50,447 Cleveland, Ohio 44143 REGISTRATION NUMBER

JCCG Rec'd PCT/PTO 10 JUN 2005

PTO/SB/122 (04-05) Approved for use through 07/31/2006. OMB 0651-0035
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CHANGE OF CORRESPONDENCE ADDRESS Application

Address to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

| Application Number | m10/538525 | | | | |
|-------------------------|------------------|--|--|--|--|
| Filing Date | herewith | | | | |
| First Named Inventor | Geoffrey Harding | | | | |
| Art Unit | unknown | | | | |
| Examiner Name | unknown | | | | |
| Attorney, Docket Number | PHNL031185US | | | | |

| Please change the Correspondence Address for the above-identified patent application to: | | | | | | | | |
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| - | | | | | | | | |
| | Applicant/Inventor | | | | | | | |
| | Assignee of record of the entire interest. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96). | | | | | | | |
| Attorney or agent of reco | Attorney or agent of record. Registration Number 50,447 | | | | | | | |
| | Registered practitioner named in the application transmittal letter in an application without an executed oath or declaration. See 37 CFR 1.33(a)(1). Registration Number | | | | | | | |
| Signature Myhatt | | | | | | | | |
| Typed or Printed Douglas B. McKhight | | | | | | | | |
| Date | Tele | phone 440-483-2373 | | | | | | |
| NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*. | | | | | | | | |
| *Total offorms are submitted. | | | | | | | | |

This collection of information is required by 37 CFR 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.